Navigation Handbook

Navigation Handbook

JAGUAR CARS LIMITED, as manufacturers, are dedicated to the design and production of vehicles which meet the expectations of the world's most discerning purchasers.

To complement the features, systems and technology of your new vehicle we have produced this Navigation Handbook. In it we have undertaken to make the control of complex systems easy to understand and operate.

The information contained herein applies to a range of vehicles and not to a specific vehicle. For the specification of a particular vehicle, owners should consult their Jaguar Dealer.

The Manufacturer reserves the right to vary its specifications with or without notice, and at such times and in such manner as it thinks fit. Major as well as minor changes may be involved in accordance with the Manufacturer's policy of constant product improvement.

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Introduction

This Jaguar navigation system assists the driver by providing a route to a selected destination. Guidance is given by means of audible instructions (voice guidance), complemented by map and turn information which is displayed on an LCD screen on the front panel of the unit. Digital map information is held on a digital versatile disc (DVD), which is loaded into the navigation control unit housed in the luggage compartment.

The system has an extremely comprehensive range of features, yet is easy to use. Some time spent reading this handbook will ensure that the best results are obtained.

The LCD display provides full information for operating the system by means of menus, text screens and map displays. Screen selections are made by the controls on the front panel.

How the system works

The system uses signals from the Global Positioning System (GPS) satellites, which allow the approximate vehicle position to be calculated. This is combined with information from vehicle sensors and data from the map DVD to establish the true vehicle position.

About this handbook

This handbook shows the on-screen menus, explains how to operate the controls, and gives an example showing how to set a destination. After becoming familiar with the controls, follow the on-screen menus and prompts, to operate the system as required.

To find a particular menu, use the Menu Structure on the card supplied with this handbook. This information is repeated on page 2-6.

Note: Throughout the handbook, the expression 'Select an item' (or similar wording), means 'Highlight the item using the Joystick, and push ENTER'.

Safety information

The road safety caution screen is displayed each time the ignition is switched on, after pushing ENTER to select the Jaguar screen. The road safety caution screen gives the following information.

Most functions are inhibited while the vehicle is in motion.
Please read the handbook for operating instructions.
Always obey traffic regulations.

To use the system, push ENTER.

Using the system

Caution: If the system is used for an extended period of time with the vehicle stationary, ensure that the engine is running, to avoid draining the battery.

For best results, always use the latest version of the map DVD (navigable map database). Map information is regularly updated, but all areas are not necessarily covered to the same level of detail. Some areas, in particular private roads, may not be included on the database (non-digitised roads).

While driving under route guidance, only follow an instruction when it is safe to do so, as the system cannot be aware of changing conditions, for example turn restrictions, roadworks or diversions. Use voice guidance as much as possible, and only view the display when driving conditions permit.

Reception of GPS signals

GPS signals are highly directional and reception may occasionally be interrupted. Some examples of situations likely to cause problems are shown below.

- Inside tunnels.
- Inside buildings.
- Roads under raised highways.
- Densely tree-lined roads.
- Forest roads between mountains.
- Between tall buildings.
- Roads under cliffs.
- Metal objects placed on the rear parcel shelf.
- Fitting material to the rear screen containing metal foil.

Errors in vehicle position

Under certain driving conditions, it is possible that the vehicle position shown may be incorrect. Some examples are shown below.

- When the vehicle is transported by ferry or train.
- After vehicle battery removal or supply fuse failure.
- After the vehicle has been rotated on a turntable.
- Where there are two roads parallel to each other.
- Elevated roads in proximity to other roads.

The position will usually be corrected automatically. If the problem persists, consult your Jaguar dealer.

Route guidance precision

Under certain driving conditions, it is possible that the route guidance may be inaccurate. Some examples are shown below.

- Deviation from a route may cause incorrect guidance until the route has been recalculated.
- Route guidance may be given where no turn is required.
- If there is no road, or only a narrow track, to the final destination, guidance will be given to the nearest point possible.
- No guidance is given while reversing.
- If driving at high speed or on very dense road networks, it may not be possible to recalculate the route in time for the next instruction.
- On familiar roads, personal route preferences may not always be followed.

Road junction layouts

The layout of complex road junctions may sometimes be shown in a simplified form.

Using the system (continued)

Jaguar dealership locations

Details of Jaguar dealerships are held on the map DVD as a points of interest (POI) category. Certain dealers may be located in areas that are not fully mapped on the DVD. If a route is set to one of these dealers, guidance will only be possible to the nearest city centre, and a warning message will be displayed.

Map DVDs

To use the system in other countries or geographical areas, obtain the appropriate map DVD from your Jaguar dealer.

Screen cleaning

For approved screen cleaners, see your Jaguar dealer.

Clock

The time is shown on the screen in 12 hour format, except while a menu or text screen is being displayed. The correct time is maintained automatically from the GPS satellite signals and no manual adjustment is required.

Note: Ensure that the time zone and summer time settings are correct for the current vehicle location and time of year. See **Setup menu** on page 3-7.

Languages and distance units

The language used for the on-screen text and voice instructions can be selected from the list of available languages, see **Setup menu** on page 3-7.

Distances are shown on the screen either in Imperial units (miles and yards), or in Metric units (kilometres and metres). The distance units used are selected with the language. English has Imperial units, and all the other languages have Metric units.

Estimated time to destination

When a route is calculated, the estimated time required to drive the route is determined. This is based on the vehicle travelling at the speed limit applicable to each of the roads forming the route. While under guidance, the estimated time remaining is shown on the screen.

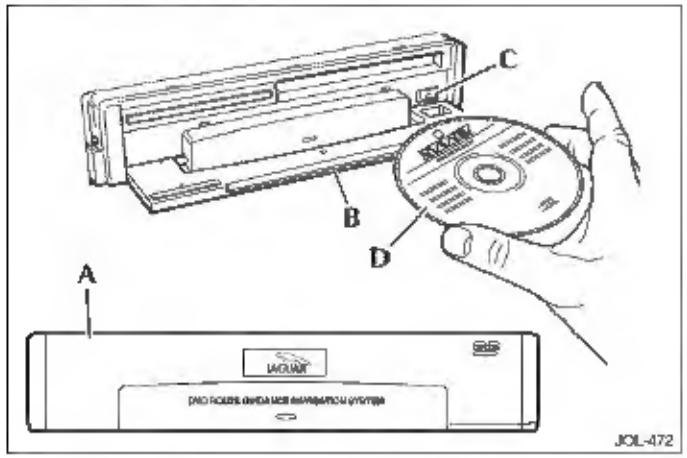
City name lists

For each city area, the first entry shows the city name only, and covers only the areas not included under the district entries. The subsequent entries show the city name followed by a district (suburb, industrial estate, town or village) within that city area, shown in brackets.

⚠ WARNING:

The Database reflects reality as existing before you received the Database and it comprises data and information from government and other sources, which may contain errors and omissions. Accordingly, the Database may contain inaccurate or incomplete information due to the passage of time, changing circumstances, and due to the nature of the sources used. The Database does not include or reflect information on – inter alia – neighborhood safety; law enforcement; emergency assistance; construction work; road or lane closures; vehicle or speed restrictions; road slope or grade; bridge height, weight or other limits; road or traffic conditions; special events; traffic congestion; or travel time.

Using the system (continued)

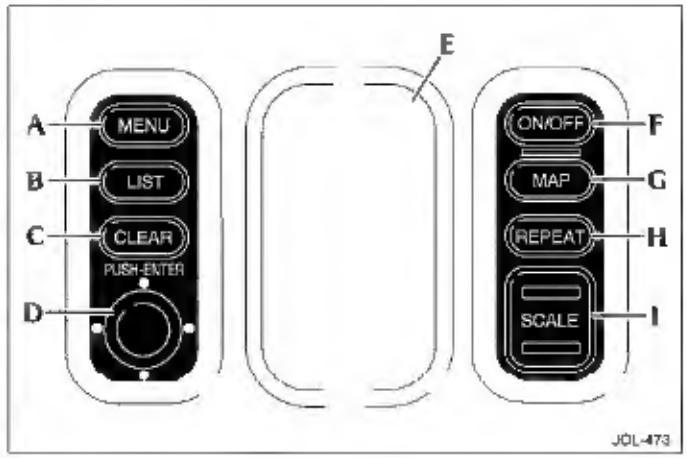


Loading the map DVD

Note: The ignition must be switched on (position 'I').

1. Locate the navigation unit (A), on the right-hand side of the luggage compartment above the sound system CD player.
2. Open the front cover (B), using the recess on the top edge.
3. If a DVD is already loaded, push the eject button (C) to eject it.
4. Load the DVD with the printed side upwards (D). Do not allow moisture or foreign objects to enter the slot.
5. Close the front cover (B).

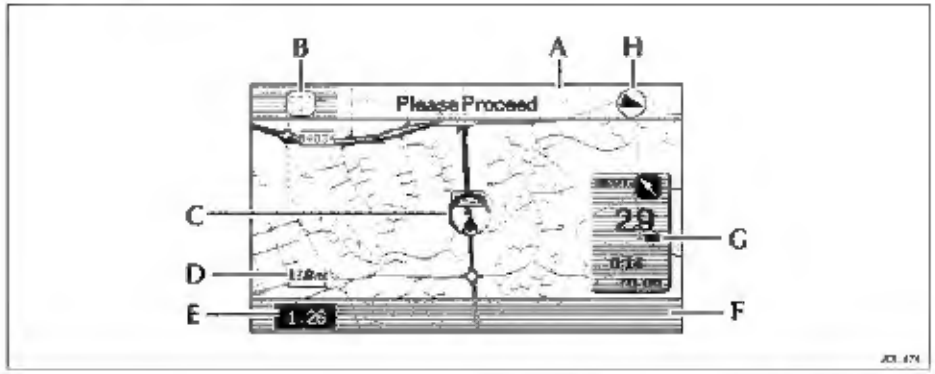
Note: Ensure that an audio CD is not loaded into the navigation unit and vice versa. (No damage will be done but the system will not operate.)



Control panel

A. Menu button
B. List button
C. Clear button
D. Joystick and Enter button
E. LCD display
F. On/Off button
G. Map button
H. Repeat button
I. Scale control

Screen displays



Map screens

A typical map display is shown, with a key to the main items of information.

A. Upper message area – While under guidance, shows the next street name on the route, or a text prompt. After driving off, the next turn symbol is displayed to the left of the text. (At the end of a route the destination symbol is displayed.)

B. GPS symbol – Indicates that the system is receiving information from GPS satellites. The symbol will be displayed in one of three colours: red, green or grey. See **GPS information** on page 3-10.

C. Map position markers – The map indicates the current vehicle position (navigation symbol). If the map is scrolled, the cross-wire marker is displayed. While the system is in use various markers are displayed, see **Screen symbols** on page 1-7.

D. Map scale – Indicates the current zoom level. The scale length represents a distance of from $^{1}/_{20}$ mile to 50 miles (100 metres to 100 kilometres). For Germany the largest scale is 200 kilometres.

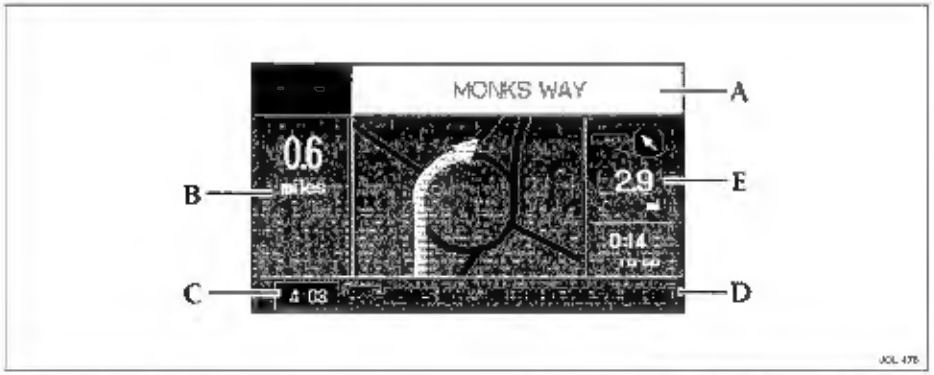
E. Clock – The time is displayed in 12 hour format.

F. Lower message area – Shows details of the current vehicle location.

G. Destination information – While under guidance, shows the estimated time and distance to the end of the route, and the destination heading.

H. Map orientation symbol – Indicates that the map is displayed with either north or vehicle heading to the top of the screen.

Screen displays (continued)



Arrow view screens

While under guidance, the route instructions can be displayed in diagrammatic form. A typical display is shown, with a key to the main items of information.

A. **Upper message area** – Shows the next street name on the route.

B. **Distance to turn** – Indicates the distance to the next turn on the route. At 500 yards (500 metres) before the turn, the count-down bar graph is displayed.

C. **Clock** – The time is displayed in 12 hour format.

D. **Lower message area** – Shows details of the current vehicle location on the route.

E. **Destination information** – Shows the estimated time and distance to the end of the route, and the destination heading.

Screen displays (continued)

Screen symbols

The screen symbols used by the system are explained below.

Navigation symbol – Indicates the current vehicle position and heading.

Cross-wire marker – This symbol is displayed when the map is scrolled to select a destination or point (map cursor location).

Destination symbol – Indicates the current route destination.

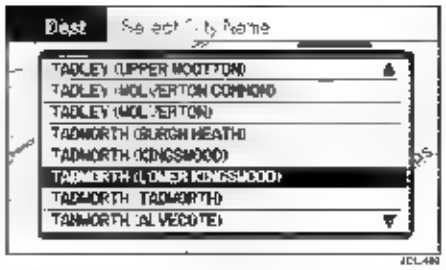
Destination heading symbol – Shows the current compass heading to the route destination. (A typical example is shown.)

Next turn symbol – Shows the action to be taken at the next manoeuvre point on on the route ahead. (A typical example is shown.)

North up symbol – Indicates that the map is displayed with north to the top of the screen.

Heading up symbol – Indicates that the map is displayed with the vehicle heading to the top of the screen. The position of the pointer indicates the direction of north on the map.

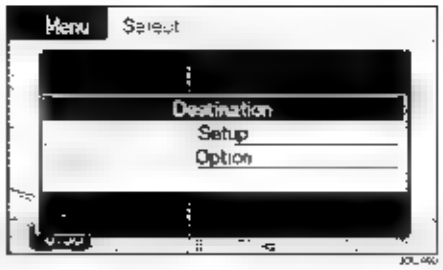
Screen displays (continued)



Scrolling indicators

The vertical indicators, when displayed at the right-hand side of a text screen, show that further pages of information are available. The information can be displayed as follows:

- Use the Scale control (Up/Down) to display a page (Previous/Next) of information.
- Use the Joystick (Up/Down) to scroll through the information.



Menu screens

The screen shows the list of menu items.

Highlight the menu item required using the Joystick (Up/Down) and push ENTER (If the desired menu item is not displayed, scroll the screen as required).

If a menu item cannot currently be selected, it is shown shaded out.

The complete menu structure is shown on the card supplied with this handbook. This information is repeated on page 2-6.

Using the controls

Joystick and Enter button

Joystick – The joystick has eight movements (Up/Down, Left/Right, and diagonal), and has the following functions according to the screen currently displayed:

- Highlights menu items, Setup options and text items (Up/Down)
- Character and number input (Up/Down, Left/Right, and diagonal).
- Scrolling map position (Up/Down, Left/Right, and diagonal).

Enter button – Push the top of the joystick. This has the following functions:

- Selects the highlighted menu item, Setup option or text item
- After scrolling the map, shows the map cursor location details highlighted in a text box. (Push ENTER again to select, see **Confirm destination** on page 4-11.)

Clear button

The Clear button has the following functions according to the screen currently displayed:

- Returns to the previous menu, character input or text screen.
- Push and hold for two seconds to change the map orientation (north or vehicle heading to top of screen).

List button

Lists the turn information for the calculated route.

Repeat button

While under guidance, repeats the last audible instruction. If the manoeuvre point has been passed, the audible instruction for the next manoeuvre point will be heard.

Menu button

Displays the Main menu (Destination, Setup, Option and Route). Highlight the option required using the Joystick (Up/Down) and push ENTER.

On/Off button

Push ON/OFF at any time to turn the screen Off. The system continues to operate and to monitor vehicle position.

Push ON/OFF again to turn the screen back On. (The road safety caution screen is only displayed when the ignition is switched on.)

Note: While under guidance, the audible instructions are not turned off. (To mute the audible instructions, see **Volume adjustment** on page 1-10.)

Using the controls (continued)

Map button

The Map button has the following functions.

- Returns to the map display, showing the current vehicle position, from any other screen.
- After scrolling, returns the map display to the current vehicle position.
- While under guidance, toggles between map and arrow view.

Scale control

The Scale control (Up/Down, has the following functions

- Changes the scale (Reduce/Enlarge when a map screen is displayed.
- Displays more pages (Previous/Next) of text information when the scrolling arrows are displayed at the top or bottom of the screen

Volume adjustment

Note: These controls are on the sound system control panel

The sound output during voice guidance can be adjusted as described below. The current setting is displayed during the adjustment procedure

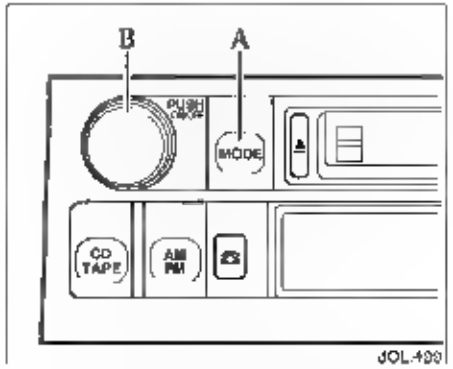
'Mute' – Mutes voice guidance

'-3' to '+3' – Changes the navigation sound volume, from minimum ('-3') to maximum ('+3')

'Max' – Mutes audio sound (front and rear speakers, during voice guidance

Note:

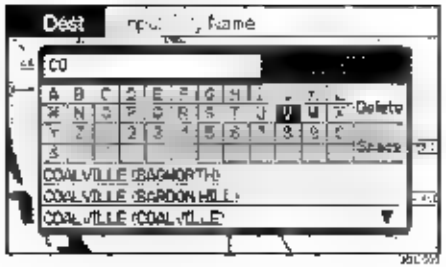
1. Navigation sound will be heard from the front speakers only
2. During voice guidance, the audio sound will be heard at a preset level (unless muted).
3. During voice guidance, the audio sound from the rear speakers will be limited to volume setting 15



The procedure for changing the setting is as follows

1. Push MODE (A) until the sound system display shows 'NAV Audio'
2. The current setting for the navigation system is displayed.
3. Turn the Volume control (B) until the desired setting is shown. (The normal audio display resumes automatically, or when any sound system button is pushed.)

Text input



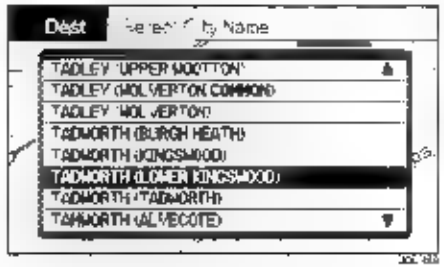
Character input

Use the Joystick (Up/Down, Left/Right, and diagonal) to highlight the first character in the name and push ENTER. Repeat for each character in turn. As characters are entered, only the characters available to complete the name (or similar names) are shown in black.

To delete a character, highlight 'Delete' and push ENTER. The last character input will be deleted. To input a space highlight 'Space' and push ENTER.

A list of possible names (for example streets, cities, or freeways) is displayed. See **Selection screen example**.

Note: During character input, it may be necessary to use the joystick diagonal movement to select certain characters, depending on the characters available.



Selection screen example

The screen shows the list of possible names from the characters entered. The list reduces in length as more characters are entered, until the required name appears in the lower text area of the character input screen.

Highlight the item required using the Joystick (Up/Down, and push ENTER. The next screen is displayed.

Note: The required item can be selected at any time from the list using the Joystick and Scale control. (Use the Joystick to scroll on to the second page before using the Scale control.)

Number input

Use the Joystick (Up/Down, Left/Right, and diagonal) to highlight the first digit in the number and push ENTER. Repeat for each digit in turn.

To delete a digit, highlight Delete and push ENTER. The last digit input will be deleted.

When all the digits have been input, highlight 'Done' and push ENTER. The next screen is displayed.

Note:

1. If a house number is not required, highlight 'Done' and push ENTER.
2. If the number is not in range, a message will be displayed. The number must be input again in the range shown.

Main features of the system

Memory points

These are points (map locations) that can be stored in memory by the user with a personalised nametag (e.g. Doctor, Office) for subsequent selection as route destinations or way points. The following input methods can all be used to store memory points: address, intersection, points of interest, map cursor location, recent destinations and local points.
See **Destination menu** on page 3-4

Way points

Way points are held in a list and can be used to divide a route into a number of sections, the route being calculated one section at a time. The user selects the first and last way points to be visited along the route. The order in which the intermediate way points are visited is determined during route calculation based on the current calculation method (e.g. Shortest Time). Before using the feature, the desired locations have to be added to the way points list.

Avoid roads

After setting up a route, one or more roads can be selected, from the route turns list, as roads to be avoided. The route is then recalculated avoiding the roads selected.

Using way points The procedure for setting a route using way points is shown below.

- Enter the desired way point addresses. See **Set way points** on page 4-1. The way points are added to the way points list.
- Select the way points to be visited first and last along the route. (The last way point is the ultimate destination.) Then set the route to the first way point. See **Way points** on page 3-6.
- After driving each section of the route, to set the route to each following way point, select 'Next Way Point'. See **Main menu** on page 3-3.
- One or more way points may be deleted from the list if required, see **Edit way points** on page 3-10. While under guidance the points can only be skipped, see **Skip way point** on page 3-12.

Points of interest (POI)

This is a database of useful names and addresses held on the map DVD. The information can be displayed on the screen and sorted by category. A POI can be selected from the list and used as a route destination, memory point or way point.

Local points This allows a POI category to be displayed sorted by distance from the current vehicle location, and provides a quick method of selecting points of interest near at hand.

Voice guidance

One or more audible instructions and/or chimes will be heard for each manoeuvre point along the route. Three levels of guidance are available (minimum, normal, and maximum) which are selected from the Setup menu, see **Voice prompt** on page 3-8.
Voice guidance will be muted if a phone call is in progress.

Screen guidance

There are three methods of screen guidance available: map, arrow, and hybrid. The desired method can be selected from the Setup menu. For all three methods, as the route is followed, current vehicle location, next turn information, and distance and estimated time to the destination are displayed.

For further information, see **Screen guidance** on page 4-3.

2-2 Quick reference

Route setting example

This is a simple example showing how to use the basic features of the system to set a route. It describes each screen in turn and explains how to use the controls. For information relating to the other features of the system, see the relevant section in the handbook.

Note: Before using the system, check that the correct map DVD is loaded - see **Loading the map DVD** on page 1-4.

Initialisation

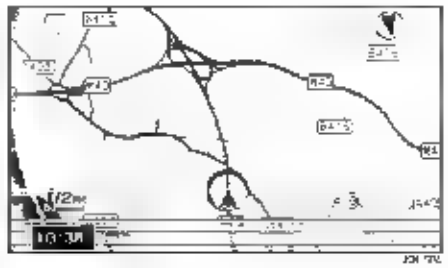
If the Jaguar screen is displayed, push ENTER. The road safety caution screen is displayed.

Road safety caution

The caution screen shows the following information.

Most functions are inhibited while the vehicle is in motion.
Please read the handbook for operating instructions.
Always obey traffic regulations.

To use the system, push ENTER. The screen shows the map display.



Map display

The map display shows the current vehicle position. Push MENU to display the Main menu.

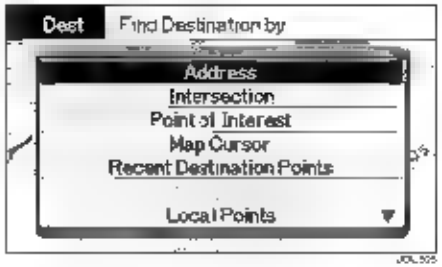
Route setting example (continued)

Main menu

The screen shows the Main menu options:

- Destination
- Setup
- Option
- Route

To display the Destination menu, highlight 'Destination' using the Joystick (Up/Down), and push ENTER.



Destination menu

The Destination menu is displayed, showing the methods available for entering a destination.

To input an address, highlight 'Address' using the Joystick (Up/Down), and push ENTER.

Address input

To input the required city name, highlight 'City Name Input' using the joystick (Up/Down), and push ENTER.

Note:

1. This example describes the entry of a city name before the street address. In practice, it may not always be necessary to enter a city name first.
2. If the region or country is not correctly set. See **Change region** on page 3-4.

Route setting example (continued)

City name input

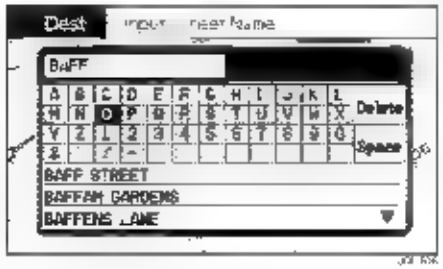
The character input screen is displayed for input of the city name required.
See **Character input** on page 1-11

A list of possible cities is displayed. The list reduces in length as more characters are input until the required city name appears in the lower text area of the screen.

Highlight the city (and district if known) using the joystick (Up/Down), and push ENTER for input of the street name.

Note:

1. The system defaults to the city where the vehicle is currently located.
2. If the district is not known, select the first entry in the list, which shows the city name only.



Street name input

The character input screen is displayed for input of the street name required.
See **Character input** on page 1-11

A list of possible streets is displayed. The list reduces in length as more characters are entered, until the required name appears in the lower text area of the character input screen.

Highlight the street required using the Joystick (Up/Down), and push ENTER for input of the house number.

Note: Enter the name of the street only (Do not include 'Street', 'Road' or other similar word.)

House number input

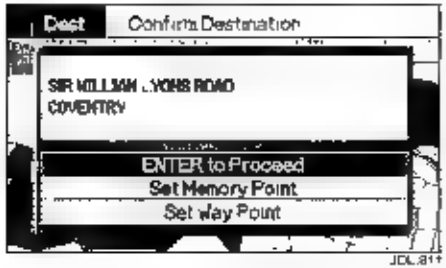
The number input screen is displayed for input of the house number required.
See **Number input** on page 1-11

When the number has been input, highlight 'Done' using the Joystick (Up/Down, Left/Right, and diagonal), and push ENTER to display the location details and set the destination.

Note:

1. The number input must be within the range shown. If a house number is not required, highlight 'Done' and push ENTER.
2. If the street does not have house numbers held on the map DVD, the number input screen will not be shown.

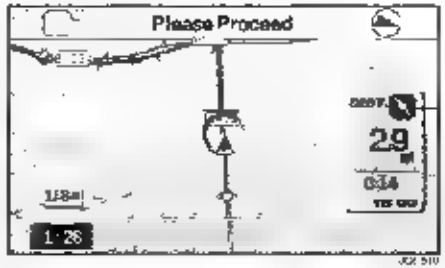
Route setting example (continued)



Confirm destination

The screen shows the location details of the address input and the setting options available. To confirm the destination highlight 'ENTER to Proceed' using the joystick (Up/Down), and push ENTER to calculate the route.

Route calculation – The screen shows 'Calculating' while the route is being calculated. When the calculation is complete, the screen shows the guidance display.



Route guidance

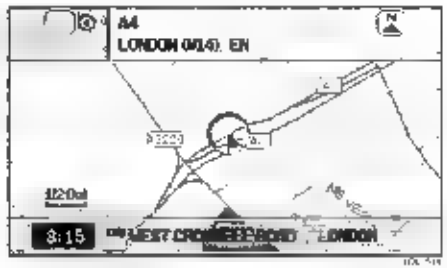
WARNING:

Only view the screen when it is safe to do so.

The route is displayed according to the currently selected guide method (map, arrow or hybrid).

Drive off, following the voice guidance given by the system, until the destination is reached.

Note: If the vehicle is not at the start of the route, the screen will show 'Please Proceed' until the route is reached.

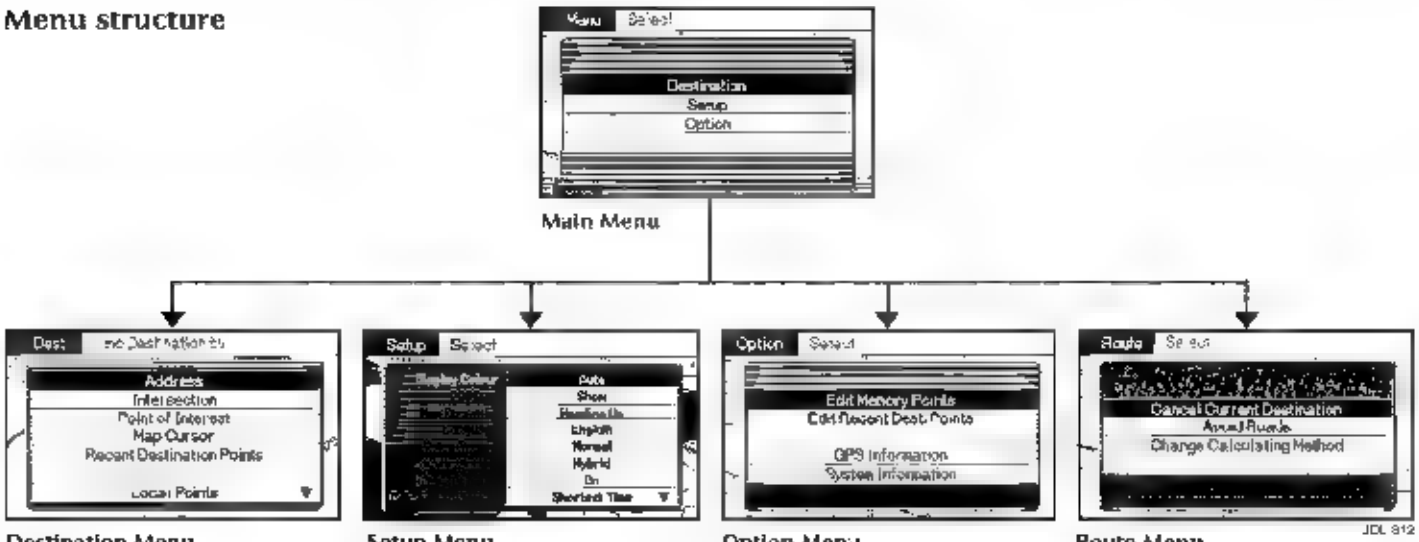


End of route

As the vehicle approaches the end of the route 'DESTINATION' is shown on the screen. This is confirmed by voice guidance. After arrival at the destination, the screen shows the destination address. The system is then ready for further use.

2-6 Quick reference

Menu structure



Main Menu

JDL 312

Destination Menu

- Address
- Intersection
- Points of Interest
- Map Cursor
- Recent Destination Points
- Memory Points
- Local Points
- Way Points

Setup Menu

- Display Colour
- POI Icon
- Map Direction
- Language
- Voice Prompt
- Guide Method
- Auto Reroute
- Calculation Method
- Time Zone
- Summer Time

Option Menu

- Edit Memory Points
- Edit Recent Destination Points
- Edit Way Points
- GPS Information
- System Information

Route Menu

- Cancel Current Destination
- Avoid Roads
- Change Calculating Method
- Skip Way Point

Note:

1. To select the Main menu, push MENU.
2. If the desired menu item is not displayed, scroll the screen using the Joystick (Up/Down).

Getting started

Initialisation

Caution: Do not leave the ignition on for long periods with the engine not running.

The system is powered on when the ignition switch is turned to position 'I'. After a short pause, the Jaguar screen with the digital clock is displayed. Push ENTER to continue. The road safety caution screen is displayed.

Road safety caution

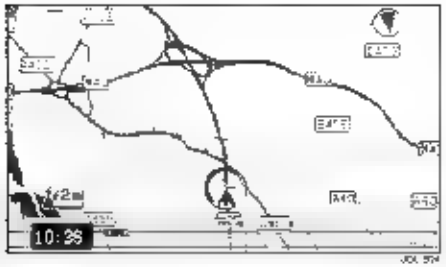
The caution screen shows the following information

Most functions are inhibited while the vehicle is in motion.
Please read the handbook for operating instructions.
Always obey traffic regulations.

To use the system, push ENTER. The screen shows the map display. If the system is not used, the Jaguar screen will be displayed again after a time delay.

Note: If route guidance was in progress when the ignition was switched off, a prompt is displayed. See **Continue trip** on page 4-7

Getting started (continued)



Map display

The map display shows the current vehicle position. The panel controls (while the vehicle is not under guidance) have the functions shown

Panel controls

Menu button – Displays the Main menu, see **Main menu** on page 3-3.

Clear button – Push and hold CLEAR for two seconds to change the map orientation (north or vehicle heading to the top of the screen).

Scale control – The Scale control (Up/Down) has the following functions.

- Changes the scale (Reduce/Enlarge) when a map screen is displayed
- Displays more pages (Previous/Next) of text information when the scrolling arrows are displayed at the top or bottom of the screen

Joystick Use the joystick (Up/Down, Left/Right, and diagonal) to scroll the map as required

Enter button After scrolling the map, pushing ENTER shows the map cursor location details highlighted in a text box. Push ENTER again to set as a destination memory point or way point. See **Confirm destination** on page 4-7

On/Off button – Push ON/OFF to turn the screen Off. The system continues to operate and to monitor vehicle position. Push ON/OFF again to turn the screen back On.

Map button – The Map button has the following functions.

- Returns to the map display, showing the current vehicle position, from any other screen.
- After scrolling, the map display returns to the current vehicle position.

POI icon display

When selected, the map shows the location of any points of interest in the currently chosen categories. An icon can be selected as a destination, memory point or way point by scrolling the map and pressing ENTER, see **Enter button.**

Note: Icons are only displayed at the maximum zoom level in of 1/20 mile (100 metres) and the next zoom level out

Main menu

Main menu

The menu is displayed by pushing MENU. Select the option required.

- Destination
- Setup
- Option
- Route
- Next Way Point

These options are described in the following pages.

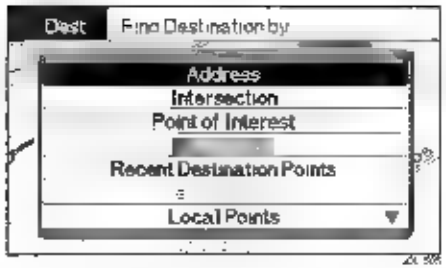
Next way point

When using way points, select this option to calculate the route to the next way point in the list, using the current calculation method. See **Way points** on page 2-1

Note:

1. Some of the options from the Destination menu are not available while driving (not under guidance) These are 'Address', 'Intersection' and 'Points of Interest'
2. The Setup and Option menus are not available while driving (whether under guidance or not).
3. The Route menu is only available while driving under guidance.
4. While driving under guidance, none of the options on the Destination menu are available
5. 'Next Way Point' is only available after a way point has been entered in the way point list

Destination menu



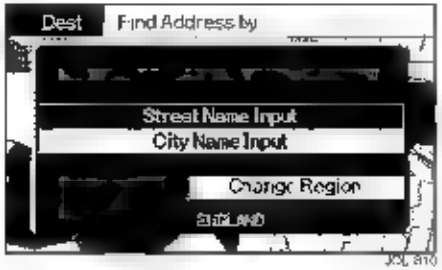
Destination

Select the option required

- Address
- Intersection
- Points of Interest
- Map Cursor
- Recent Destination Points
- Memory Points
- Local Points
- Way Points

These options are described in the following pages.

Note: For information on entering text, see **Text input** on page 1-11



Address

Select the option required:

Street name input Input and select the street name, followed by the house number. (If the street name is not unique, select a city (and district if known) from the options displayed.) The screen shows the location details of the address input, see **Confirm destination** on page 4-1

City name input Input a city name and select the city (and district if known) followed by the street name details, see above.

Note: The system defaults to the city where the vehicle is located

Change region If necessary, select the item required from the list of regions or countries displayed. The current region is shown at the bottom of the screen

Intersection

Select the option required

Street name input Input and select the street names forming the intersection. (If the intersection is not unique, select a city and intersection from the options displayed.) The screen shows the location details of the intersection input, see **Confirm destination** on page 4-1

City name input Input a city name and select the city (and district if known) followed by the street name details, see above

Note: The system defaults to the city where the vehicle is located.

Change region If necessary, select the item required from the list of regions or countries displayed. The current region is shown at the bottom of the screen

Destination menu (continued)

Points of interest (POI)

Select the option required

Place name input – Input the POI name and select the item required from the list displayed.

Category list – Select an item from the list of categories displayed, and select or input the city required. Select or input the POI name required

The screen shows the location details of the point input, see **Confirm destination** on page 4-1

Map cursor

Select the option required

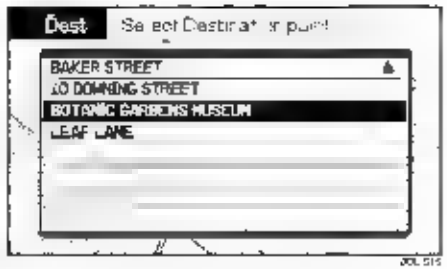
Directly on map – Scroll the map until the desired location is under the cross-wire marker and push ENTER. The screen shows the location details highlighted in a text box, push ENTER to select.

Within a city – Input and select the city name, and scroll the map as described above

The screen shows the location details of the selected point, see **Confirm destination** on page 4-1

Note:

1. The screen may show 'No digitised road exists in this area. Please select another area
2. This function can be used for guidance to a city centre.

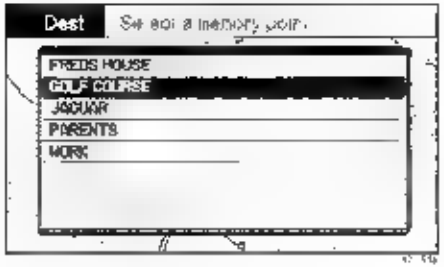


Recent destination points

Select the item required from the list of recent destinations displayed. The screen shows the location details of the selected point, see **Confirm destination** on page 4-1

A maximum of 20 recent destinations can be stored. When this number is exceeded, the oldest destination in the list is deleted each time a destination is set. If the same destination has been set more than once, it will only appear once in the list.

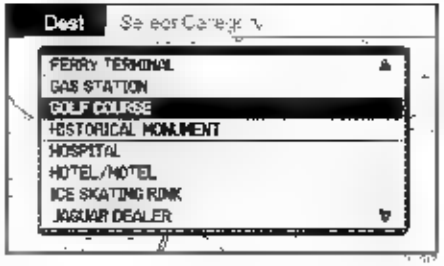
Destination menu (continued)



Memory points

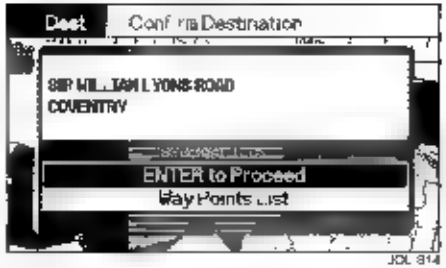
Select the item required from the list of memory points displayed. The screen shows the location details of the point selected, see **Confirm destination** on page 4-1

A maximum of 90 memory points can be stored. When this number is exceeded the point at the bottom of the list is deleted each time a new point is entered.



Local points

Select an item from the list of POI categories displayed. The screen shows the list of points of interest in that category, sorted by distance from the current vehicle location. Select the point required. The screen shows the location details of the point selected. see **Confirm destination** on page 4-1.



Way points

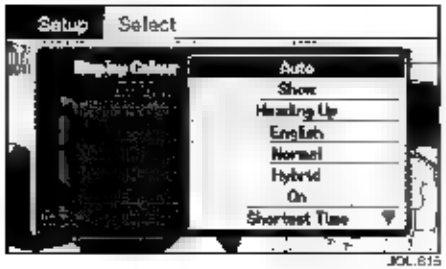
Note: Before using this procedure, the desired locations must be entered and added to the way points list.

The screen briefly shows 'System is calculating the best path of destinations' The screen then shows 'Confirm Destination', with the first way point location details. Select the option required from the list displayed:

Enter to Proceed – When the desired first and last way points have been chosen, select this option to set the route to the first way point. See **Calculation** on page 4-1

Way points list – This option is used to set the first and last way points for the current route. Select an item from the list of way points displayed and push ENTER. Follow the on-screen prompts as required.

Setup menu



JOL615

Setup

Select the option required

- Display Colour
- POI Icon
- Map Direction
- Language
- Voice Prompt
- Guide Method
- Auto Reroute
- Calculation Method
- Time Zone
- Summer Time

These options are described in the following pages

Display colour

Select the option required:

- Day
- Night
- Auto

Day and **Night** – The appearance of the display is adjusted to suit current driving conditions.

Auto The Day setting is automatically selected with the exterior lighting switch in the Off position. The Night setting is selected with the switch in any other position, unless the instrument dimmer switch is in the 'override' position

Note: For vehicles with daytime running lights, use the Day and Night options only

POI Icon

Select the option required:

- Show
- Hide
- Edit

Show and **Hide** – The selected POI icons can either be shown on the map or hidden, as required.

Edit –The screen shows the list of available POI icons. Select the items required for display on the map. No more than three icons may be selected at any one time. Select 'Return' to continue.

Map direction

Select the option required

- Heading Up
- North Up

The map can be displayed with either north or vehicle heading to the top of the screen.

Select 'Return' to continue.

Language

Select the language required:

- English
- Deutsch (German)
- Francais (French)
- Italiano (Italian)
- Español (Spanish)

The language used for the on-screen text and voice instructions can be selected from the list displayed.

Select 'Return' to continue without change.

Setup menu (continued)

Voice prompt

Select the option required:

- Min
- Norma
- Max.

The desired number of audible instructions and/or chimes given for each manoeuvre can be chosen. The actual number of instructions given will vary according to the particular route being followed.

Guide method

Select the option required:

- Hybrid
- Arrow
- Map

The desired screen guidance method can be selected, see **Screen guidance** on page 4-3

Auto reroute

Select the option required.

- On
- Off

If Auto Reroute is On, and the vehicle deviates from the highlighted route, the route will automatically be recalculated. If Auto Reroute is Off, the route will not be recalculated, but guidance will resume if the vehicle rejoins the highlighted route.

Calculation method

Select the option required.

- Shortest Time
- Maximise Freeways
- Minimise Freeways
- Minimise Toll Roads

The route calculation method can be changed as required.

Select 'Return' to continue without change.

Note: Only one method can be selected.

Time zone

Select the time zone required.

- EU Centra
- GMT
- US Eastern
- US Central
- US Mountain
- US Pacific

Choose the correct time zone for the current vehicle position. (If the time zone is incorrectly set, the clock may not show the right time.)

Select 'Return' to continue without change.

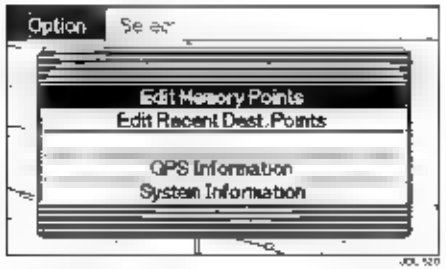
Summer time

Select the option required:

- Off
- On

At the start of the summer time period, select On. The clock will be advanced by one hour. When summer time ends, select Off.

Option menu

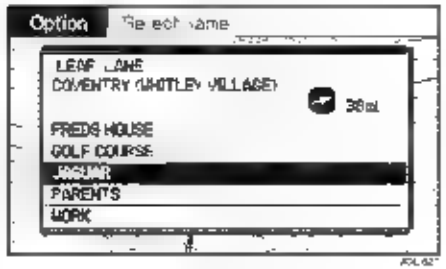


Option

Select the option required

- Edit Memory Points
- Edit Recent Destination Points
- Edit Way Points
- GPS Information
- System Information

These options are described in the following pages



Edit memory points

Select the item required from the list of memory points displayed. The screen then shows the location details of the selected point. Select the option required from the list displayed:

Change name & phone number – The character input screen is displayed to change the name. When completed, select 'Save'. The number input screen is displayed to change the phone number. When completed, select 'Done'.

Delete from memory points – The screen shows 'Are you sure you want to delete? Push ENTER to continue'.

ENTER to return – Continue without deleting any points.

Edit recent destination points

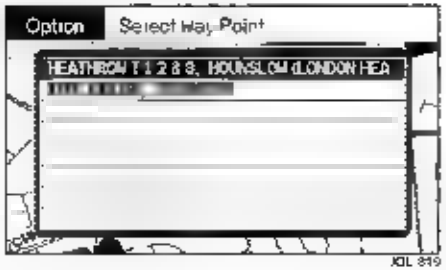
Select the item required from the list of recent destination points displayed. The screen then shows the location details of the selected point. Select the option required from the list displayed.

Delete from recent dest. points – The screen shows 'Are you sure you want to delete? Push ENTER to continue'.

Delete all – The screen shows 'Are you sure you want to delete? Push ENTER to continue'.

ENTER to return – Continue without deleting any points.

Option menu (continued)



Edit way points

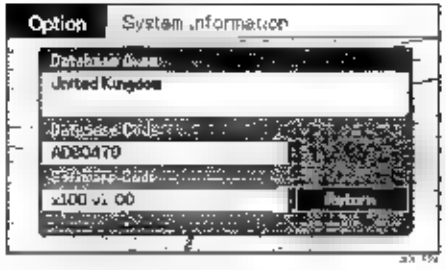
The screen shows the list of current way points. One or all of the way points can be deleted. Select the way point required and follow the on-screen prompts as required.

GPS information

The screen shows the current vehicle location, current vehicle position (latitude, longitude and elevation), and the number of GPS satellites in contact with the system.

Push ENTER to continue

GPS symbol – The GPS satellite symbol is shown on the map display in one of three colours. These are explained below.
Grey: no satellite signals are being received
Red: insufficient satellite signals are being received for accurate map positioning.
Green: satellite map positioning is functioning normally.

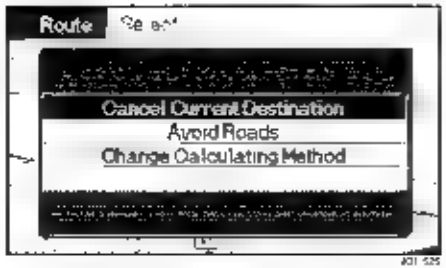


System information

The screen shows the following information: database area, database code and software version.

Push ENTER to continue

Route menu

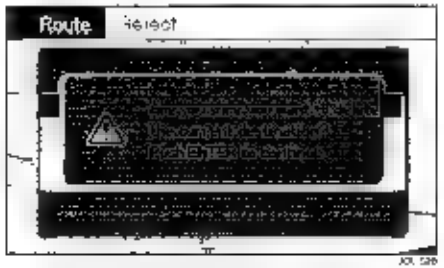


Route

Select the option required:

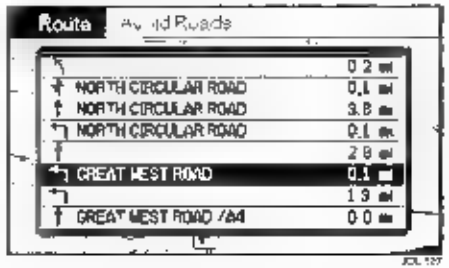
- Cancel Current Destination
- Avoid Roads
- Change Calculating Method
- Skip Way Point

These options are described in the following pages.



Cancel current destination

The screen shows the prompt 'Are you sure you want to delete the current destination? Push ENTER to continue'. When ENTER is pushed, the route will be deleted and the map showing the current vehicle position will be displayed.



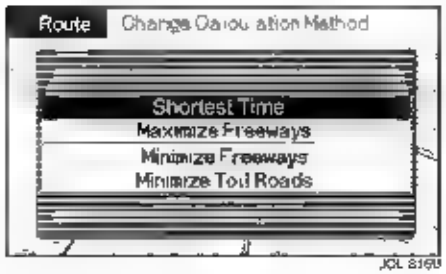
Avoid roads

Select the item required from the list of turns displayed. Select the option required from the list displayed.

Reroute – When the desired road(s) have been chosen, select this option to recalculate the route. See **Calculation** on page 4-7.

Continue to avoid roads – The turns list is displayed again to select another road to be avoided.

Route menu (continued)



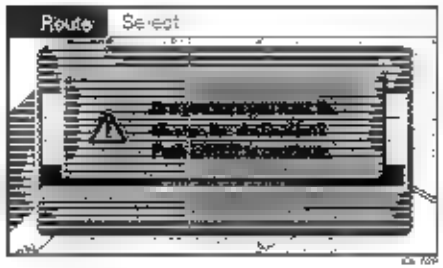
Change calculating method

Select the option required:

- Shortest Time
- Maximise Freeways
- Minimise Freeways
- Minimise Toll Roads

After selecting the desired method, the screen shows the location details of the current destination. Select 'Push ENTER to Proceed' to continue

Note: Only one method can be selected.



Skip way point

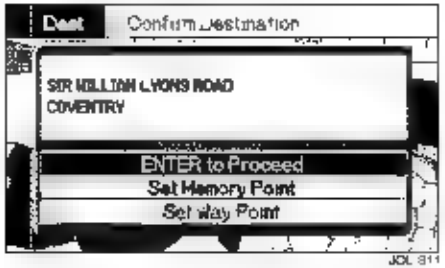
The screen shows the location details of the next way point on the route. Select the option required:

ENTER to proceed – When the desired way point has been chosen, select this option to recalculate the route
See **Calculation** on page 4-1

Way points list To skip a different way point, select an item from the list of way points displayed and push ENTER. The Confirm Destination screen is displayed again.

Note: Before the confirm destination screen is displayed, the screen may show 'Are you sure you want to change the destination? Push ENTER to continue' The screen will then show 'System is calculating the best path of destinations' followed by the Confirm Destination screen.

Route calculation



JCL 811

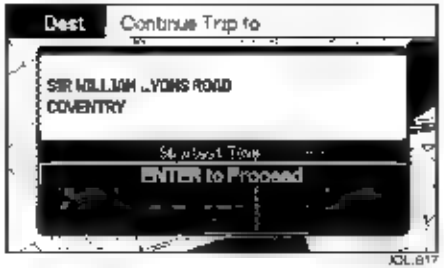
Confirm destination

When the required address or point has been entered, the location details are shown on the screen. Select the option required from the list displayed

ENTER to proceed – Sets a route to the chosen location, see **Calculation.**

Set memory point – Saves the location as a memory point. The character input screen is displayed. Input the name required for the point, and select 'Save'. The confirm destination screen is displayed again.

Set way point – Saves the location as a way point, up to a maximum of eight points. The list of current way points is displayed. Push ENTER to add the chosen location: the Destination menu is displayed. (To set a route using way points, see **Using way points** on page 2-1.)



JCL 817

Continue trip

If the vehicle has been stopped and the ignition switched off while under guidance, when the ignition is switched on again the screen will show the destination details and 'ENTER to Proceed' – see **Calculation.**

Note:

1. Push CLEAR if guidance for the remainder of the route is not required. The route will be cancelled and the map showing the current vehicle position will be displayed.
2. If the screen has been turned off using the ON/OFF button, the same procedure applies when the screen is turned on again.

JCL 818

Calculation

The screen shows 'Calculating' and the destination details while the route is being calculated. When the calculation is complete, the start of the route is displayed.

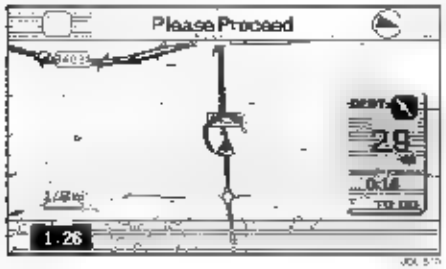
⚠ WARNING:

While the route is being calculated, the screen may show one of the following warnings, which must be observed.

1. **'Destination is located on a restricted road. Please follow traffic regulations.'**
2. **'Destination is located on a restricted or private area. You may need permission. Push ENTER to continue.'**

4-2 Route calculation and guidance

Route guidance



Driving off

WARNING:

Only view the screen when it is safe to do so.

The screen shows the current vehicle position and the route highlighted. As the route is followed, current vehicle location, next turn information, and distance and estimated time to the destination are displayed. The panel controls (while the vehicle is under guidance) have the functions shown.

Drive off, following the voice guidance given by the system until the destination is reached.

Note: If the vehicle is not at the start of the route, the screen will show 'Please Proceed' until the route is reached.

Panel controls

Menu button Displays the Main menu, see **Main menu** on page 3-3.

Clear button – Push and hold CLEAR for two seconds to change the map orientation (north or vehicle heading to the top of the screen).

Scale control Use the Scale control (Up/Down) to change the scale of the map (Reduce/Enlarge).

Joystick – Use the joystick (Up/Down, Left/Right, and diagonal) to scroll the map as required.

Enter button After scrolling the map, pushing ENTER shows the map cursor location details highlighted in a text box. Push ENTER again to set as a destination, memory point or way point. See **Confirm destination** on page 4-7.

On/Off button – Push ON/OFF to turn the screen Off. The system continues to operate and to monitor vehicle position.

Push ON/OFF again to turn the screen back On. See **Continue trip** on page 4-1.

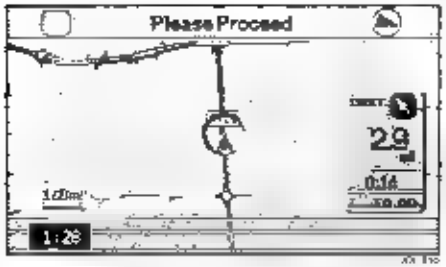
Map button The Map button has the following functions:

- Returns to the map display, showing the current vehicle position, from any other screen.
- After scrolling, the map display returns to the current vehicle position.
- In hybrid view, toggles between map and arrow view.

Repeat button – Repeats the last audible instruction. If the manoeuvre point has been passed, the audible instruction for the next manoeuvre point will be heard.

List button – Lists the turn information for the calculated route, see **Turns list** on page 4-4.

Screen guidance

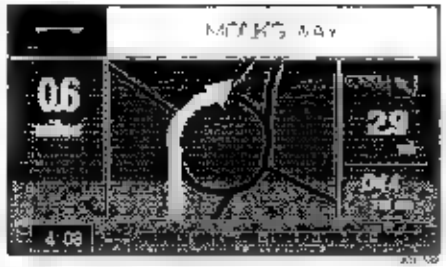


Map view

The screen shows the map display with the route highlighted. As the route is followed, the map scrolls automatically keeping the current vehicle position on the screen

Screen guidance selection

The guidance method required, is selected from the Setup menu. See **Guide method** on page 3-8.



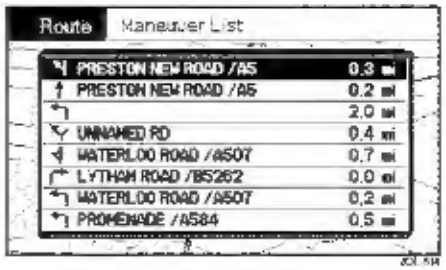
Arrow view

The route is shown in diagrammatic form As the vehicle approaches each manoeuvre point, a deta led view of the next junction is shown and a countdown bar graph is displayed

Hybrid view

The screen normally shows the map display with the route highlighted. As the vehicle approaches each manoeuvre point, the arrow view screen with the countdown bar graph is displayed

Additional guidance features



Turns list

When LIST is pushed, the list of turns on the current route is displayed. The location of the turn, action to be taken, and distance to the next turn are shown.

Use the Joystick (Up/Down) to scroll through the list. At the end of the list, the destination details are shown.

As the list is scrolled, each item is shown highlighted. When ENTER is pushed, the corresponding turn instruction is displayed. Following this selection, the Joystick (Up/Down) can be used to display the turn instructions (Previous/Next) from the turn selected.

Note: The Scale control Up/Down) can be used to display the turns list a page at a time.

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